

Chang-Gun Lee

List of Publications by Year in descending order

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44
papers

1,397
citations

933264

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44
all docs

44
docs citations

44
times ranked

859
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Parallelization of Single/Multi-Segment Real-Time Tasks for Global EDF. IEEE Transactions on Computers, 2022, 71, 1077-1091.	2.4	1
2	Towards a Tractable Exact Test for Global Multiprocessor Fixed Priority Scheduling. IEEE Transactions on Computers, 2022, 71, 2955-2967.	2.4	4
3	Guaranteeing Safety Despite Physical Errors in Cyber-Physical Systems. , 2022, , .		2
4	Conditionally Optimal Parallelization for Global FP on Multi-core Systems. , 2020, , .		1
5	Conditionally Optimal Task Parallelization for Global EDF on Multi-core Systems. , 2019, , .		4
6	System-Wide Time versus Density Tradeoff in Real-Time Multicore Fluid Scheduling. IEEE Transactions on Computers, 2018, 67, 1007-1022.	2.4	8
7	Guest editorial: special issue on embedded and real-time computing systems and applications. Real-Time Systems, 2017, 53, 855-856.	1.1	0
8	Functionally and Temporally Correct Simulation of Cyber-Systems for Automotive Systems. , 2017, , .		4
9	Executing real-time programs on negative-AND flash memory considering read disturb errors. , 2017, , .		0
10	Accurate Indoor Location Tracking Exploiting Ultrasonic Reflections. IEEE Sensors Journal, 2016, 16, 9075-9088.	2.4	16
11	Multicore scheduling of parallel real-time tasks with multiple parallelization options. , 2015, , .		20
12	Ontology-Based Semantic Priority Scheduling for Multi-domain Active Measurements. Journal of Network and Systems Management, 2014, 22, 331-365.	3.3	8
13	HRT-PLRU: A New Paging Scheme for Executing Hard Real-Time Program on NAND Flash Memory. IEEE Transactions on Computers, 2014, 63, 927-940.	2.4	4
14	ECU-in-the-loop real-time simulation technique for developing integrated vehicle safety system. , 2014, , .		1
15	mRT-PLRU: A General Framework for Real-Time Multitask Executions on NAND Flash Memory. IEEE Transactions on Computers, 2013, 62, 758-771.	2.4	5
16	WiP Abstract: Cyber Physical Simulations for Supporting Smooth Development from All-Simulated Systems to All-Real Systems. , 2012, , .		0
17	Exploiting Ultrasonic Reflections for Improving Accuracy of Indoor Location Tracking. , 2012, , .		6
18	HW Resource Componentizing for Addressing the Mega-complexity of Cyber-physical Systems. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	A novel simulation framework for supporting real-time cyber-physical interactions. , 2011, , .		2
20	Scheduling and control co-design under end-to-end response time constraints in cyber-physical systems. , 2011, , .		3
21	RT-PLRU: A New Paging Scheme for Real-Time Execution of Program Codes on NAND Flash Memory for Portable Media Players. IEEE Transactions on Computers, 2011, 60, 1126-1141.	2.4	11
22	Holistic Optimization of Real-Time IEEE 802.15.4/ZigBee Networks. , 2011, , .		4
23	Optimal 3-Coverage with Minimum Separation Requirements for Ubiquitous Computing Environments. Mobile Networks and Applications, 2009, 14, 556-570.	2.2	14
24	A Generic Framework for Soft Real-Time Program Executions on NAND Flash Memory in Multi-Tasking Embedded Systems. , 2009, , .		4
25	A Safe Stochastic Analysis with Relaxed Limitations on the Periodic Task Model. IEEE Transactions on Computers, 2009, 58, 634-647.	2.4	4
26	Sensor Placement for 3-Coverage with Minimum Separation Requirements. , 2008, , 266-281.		8
27	A Real-Time Ubiquitous System for Assisted Living: Combined Scheduling of Sensing and Communication for Real-Time Tracking. IEEE Transactions on Computers, 2008, 57, 795-808.	2.4	15
28	Orchestration of Network-Wide Active Measurements for Supporting Distributed Computing Applications. IEEE Transactions on Computers, 2007, 56, 1629-1642.	2.4	15
29	Multi-Speed DVS Algorithms for Periodic Tasks with Non-Preemptible Sections. Gifted and Talented International, 2007, , .	0.2	13
30	Search and track coordination in multi-ship multi-radar systems using schedulability envelope. Real-Time Systems, 2007, 36, 227-262.	1.1	2
31	MMSPEED: multipath Multi-SPEED protocol for QoS guarantee of reliability and. Timeliness in wireless sensor networks. IEEE Transactions on Mobile Computing, 2006, 5, 738-754.	3.9	657
32	An Exact Stochastic Analysis of Priority-Driven Periodic Real-Time Systems and Its Approximations. IEEE Transactions on Computers, 2005, 54, 1460-1466.	2.4	50
33	Partitioning based mobile element scheduling in wireless sensor networks. , 2005, , .		100
34	Online QoS Optimization Using Service Classes in Surveillance Radar Systems. Real-Time Systems, 2004, 28, 5-37.	1.1	13
35	Bounding cache-related preemption delay for real-time systems. IEEE Transactions on Software Engineering, 2001, 27, 805-826.	4.3	61
36	Analysis of cache-related preemption delay in fixed-priority preemptive scheduling. IEEE Transactions on Computers, 1998, 47, 700-713.	2.4	193

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37	Efficiently supporting hard/soft deadline transactions in real-time database systems. , 0, , .		6
38	Enhanced analysis of cache-related preemption delay in fixed-priority preemptive scheduling. , 0, , .		0
39	Stochastic analysis of periodic real-time systems. , 0, , .		110
40	Radar dwell scheduling considering physical characteristics of phased array antenna. , 0, , .		13
41	Enhanced processor budget for QoS management in multimedia systems. , 0, , .		1
42	Finite-Horizon Scheduling of Radar Dwells with Online Template Construction. , 0, , .		13
43	Real-Time Guarantee of Aperiodic Packets in Single-Hop Ad Hoc Wireless Networks. , 0, , .		0
44	Spare CASH: Reclaiming Holes to Minimize Aperiodic Response Times in a Firm Real-Time Environment. , 0, , .		0